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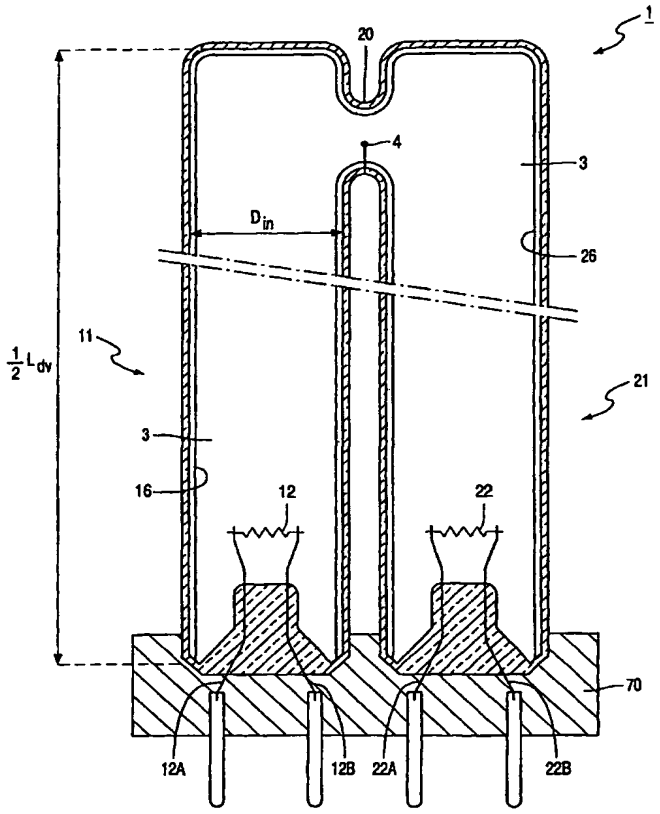
[Continued on next page]

(54) Title: LOW-PRESSURE MERCURY VAPOR DISCHARGE LAMP



(57) Abstract: Low-pressure mercury vapor discharge lamp has a discharge vessel (1) enclosing a discharge space (3) provided with an inert gas mixture and mercury. A first portion (11) of the discharge vessel is provided with a first electrode (12) and a luminescent layer (16), radiating light in a first range of the electromagnetic spectrum. A second portion (21) of the discharge vessel is provided with a second electrode (22), radiating light in a second range of the electromagnetic spectrum, said second range being different from the first range. According to the invention, the low-pressure mercury vapor discharge lamp comprises current supply conductors (12A, 12B; 22A, 22B) for receiving a DC current, and the discharge space contains only two electrodes (12, 22). The discharge lamp has a variable color temperature. Preferably, the discharge lamp influences the melatonin cycle in a human subject. Preferably, the lumen output level is independent of temperature.

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A. CLASSIFICATION OF SUBJECT MATTER
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	---	3,6-8
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Name and mailing address of the ISA	Authorized officer
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